Cablematic

Smart POE Switch

User Manual

Product Introduction:

Product description:

HCA-G0402/0802/160201/240201 These series are the POE switches developed by our company. The Poe switches of this series are rich in ports, with 4/8/16 and 24 port 10/100M or 10/100/1000M downlink ports + 2-4 port 100M/1000M Uplink or SFP slots.The downlink port supports IEEE802.3af/at standard POE power supply.The power of a single POE port can reach up to 30W.As a POE power supply device, it can automatically detect and identify the power receiving equipment that meets the standard and supply power through the network cable.It can supply power for POE terminal equipment such as wireless AP, HD webcam, network telephone, visual access control intercom, etc. Can meet the needs of high-density Poe power supply network environment, suitable for hotels, campuses, factory dormitories and small and medium-sized enterprises to establish a cost-effective network.

PoE is Power over Ethernet technology,It refers to some IP-based terminals (such as wireless access points, AP network cameras, IP phones, etc.)While transmitting data signals, it can also provide DC power supply technology for such equipment.These devices receiving
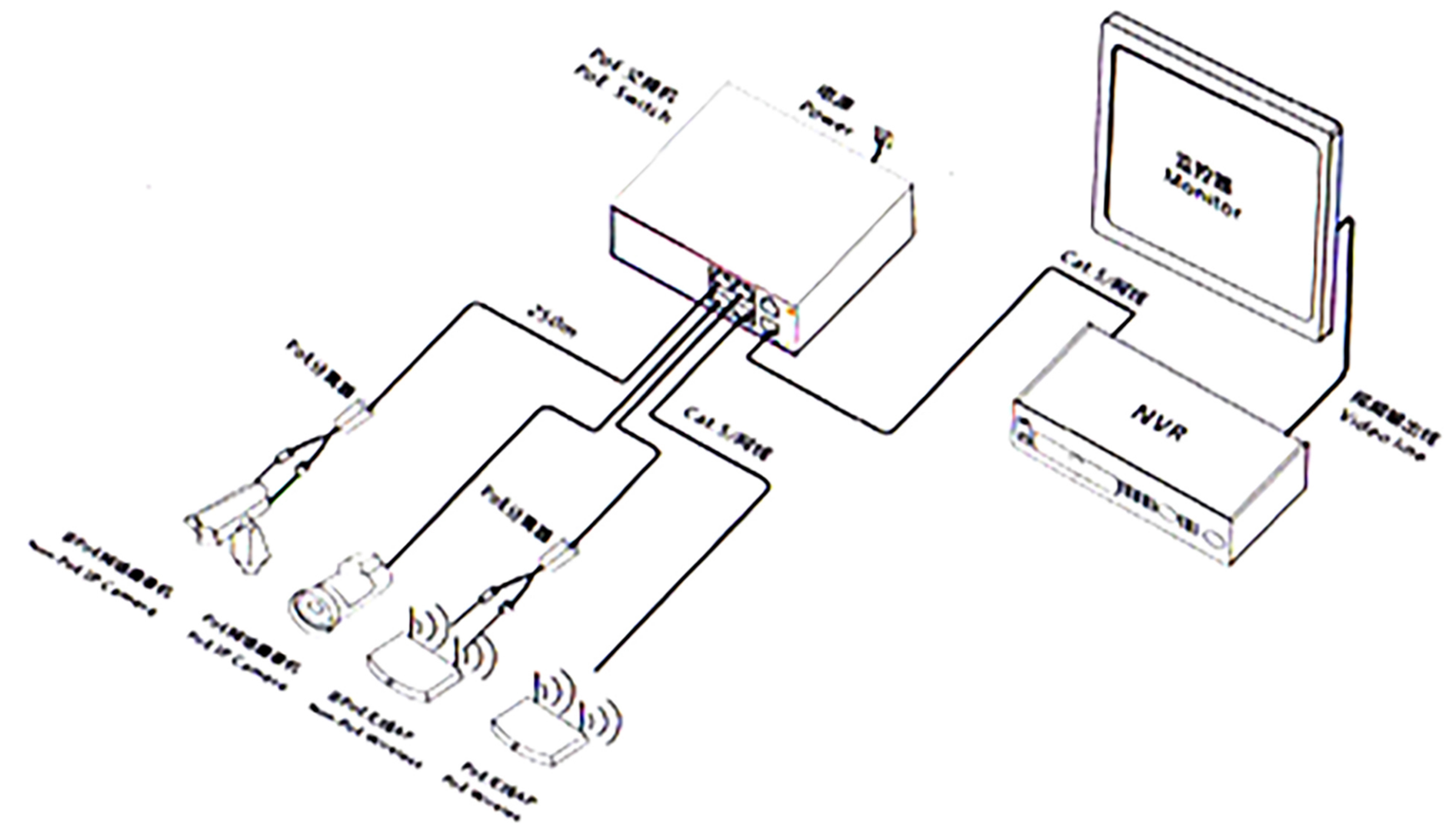
DC power supply are called PD Powered Device.

Promise

The terms mentioned in this manual, such as "switch", don't have special instructions,and refer to 100M unmanaged Poe switches, hereinafter referred to as Poe switch.

Performance characteristics

1. Follow IEEE802.3,IEEE802.3u,IEEE802.3af,IEEE802.3at,standard;

2. Provides 10/100M adaptive port RJ45, of which the downlink port supports POE function;

3. All ports support Auto MDI/MDIX;

4. A single POE port can provide high power 15.4W (af) or 30W (at);

5. Compatible with power receiving equipment conforming to IEEE802.3af standard;

6. Support ieee802.3x full-duplex flow control function and duplex back pressure flow control function;

7. With MAC address automatic learning and automatic update function.

8.   1K MAC address list;

9. Backplane bandwidth 1.6G,packet forwarding memory 96KB;

10. High performance full load configuration;

11. Panel indicators show working status and help fault analysis.

Connection diagram

Instructions for appearance

Indicator light	Status	Description
Power Indicator PWR	Yellow light stays on	Power supply is normal
	Gray light	No power
Network-link indicator L/A	Green light flashes	The corresponding port has data transmission
	Green light stays on	Connected to 10Mbps or 100Mbps network equipment
	Gray light	No network device connected
Switch instructions: When the switch status changes,The switch must be restarted.		

Notes: Please make sure that all electrical equipment connected to the PoE port of the switch meets the IEEE802.3af/at standard.

Priority: This function will protect the system when overloaded.If the total power consumed by all PoE powered devices is higher than the configured,The switch will automatically prioritize the OA ports,port 1>port 2>port 3>port N,Then cut off the power supply to the port with the lowest priority

POWER: Built-in power supply,can be directly connected to AC100-240V\50Hz standard current.

PoE port: With PoE function,If the connected devices match, data and power can be transmitted simultaneously.The working status of each port can be judged by the indicator light on the front of the panel.

Ethernet port: Except PoE port,The other network ports are ordinary adaptive RJ45 ports.All RJ45 ports support automatic flip,Work automatically after power on.The working status of each port can be judged by the indicator on the front panel.

Statement

Item List

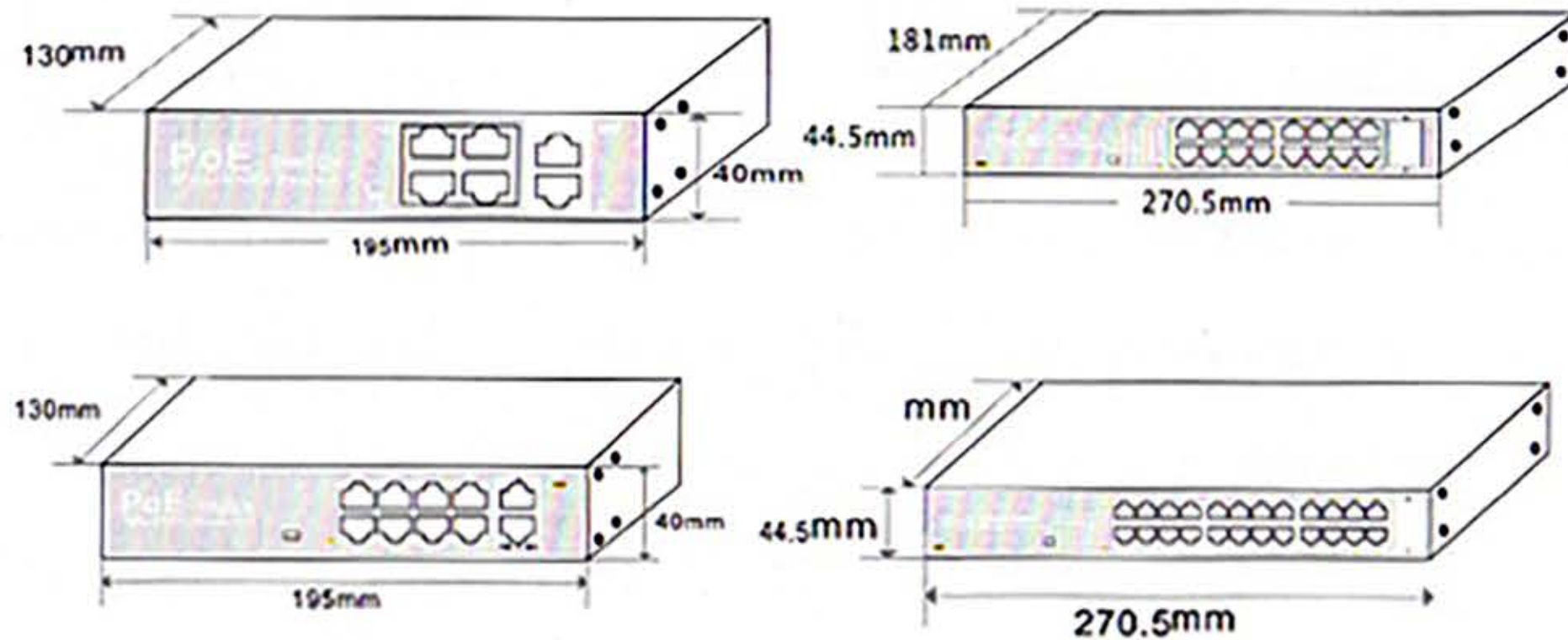Carefully open the package and check the accessories that should be in the box:

1pcs PoE switch
1pcs power adapter,
2pcs mounting brackets
（user manual, certificate, warranty card.）

Notes:

If accessories are in shortage or damaged, please contact us in time.

Product size:

Installation guide

Please use the matching equipment for installation

Installation

Please confirm before installation:

Whether the power supply of PoE port meets the power requirements of the access device.

Poe standard requirements and whether the power supply mode matches the connected PoE power receiving equipment. "1/2+,3/6-(end bonding method)" or "4/5+.7/8-(intermediate bonding method).

Connect the network device to the corresponding port of the switch through the network.

Note

1. Don't place heavy objects on the switch, and ensure that the switch has a good ventilation and heat dissipation environment.
2. Before plugging or unplugging the power supply, please power off.

Power up

Connect the power cord, plug in, and turn on the power.

After booting, the switch will initialize automatically. At this time, the LED indicator will show the following:

1. Except for the Poe port indicator, all port indicators turn on after turning on, indicating that the system reset is successful.
2. The power LED indicator is always on.

Product model detailed description

HCA-G0402--6 ports 10/100/1000M Unmanaged POE switch, 1-4 ports support POE power supply,IEEE802.3 af/at standard.the standard output power of each port is 15.4W,the maximum output power of a single port is 30W,the total power of PoE is 65W,the transmission distance is 250M,Port 5-6 are 10/100M uplink ports , power supply is built-in.

HCA-G0802---10 ports 10/100/1000M Unmanaged POE switch, 1-8 ports support POE power supply,IEEE802.3 af/at standard.the standard output power of each port is 15.4W,the maximum output power of a single port is 30W,the total power of PoE is 120W, the transmission distance is 250M,Port 9-10 are 10/100M uplink ports , power supply is built-in.

HCA-G160201--18 ports 10/100/1000M Unmanaged POE switch, 1-16 ports support POE power supply,IEEE802.3 af/at standard.the standard output power of each port is 15.4W,the maximum output power of a single port is 30W,the total power of PoE is 240W, 9-16 port can choose transmission distance of 10-250M,G1-G2-SFP is 10/100 / 1000M uplink port,power supply is built-in.

HCA-G240201-- 24 ports 10/100/1000M Unmanaged POE switch,1-24 ports support POE power supply,IEEE802.3 af/at standard.the standard output power of each port is 15.4W,the maximum output power of a single port is 30W,the total power of PoE is 380W,17-24 port can choose transmission distance of 10-250M,G1-G2-SFP is 10/100 / 1000M uplink port,power supply is built-in.